Amendments to the Specification:

Please replace the paragraph on page 13, lines 12 to 24, with the following rewritten paragraph:

With the aid of a PI controller 23, the frequency of the beam v3 emitted by the laser L2 is varied until the output signal of the phase comparator DBM vanishes and so it holds for the optical wavelengths that $\lambda_3 = 2 \lambda_2$. A small path length difference ΔL of the measuring length L of the interferometer 13' can be set for the purpose of producing the uniqueness of the control, which is not inherently ensured by the periodic output signal of DBM. The path length difference ΔL must thus be prescribed ~~the condition~~ so that for the ambiguous output signal DBM a larger frequency difference Δv to be set as maximum differential frequency Δv_{max}. Control is uniquely possible in this case with only one Δv.